Espacenet

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LIVING BODY ELECTRIC IMPEDANCE-MEASURING APPARATUS

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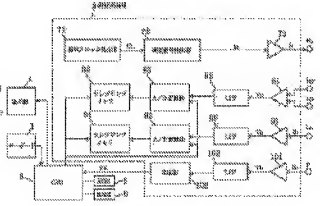
Abstract of JP 8191808 (A)

PURPOSE: To more accurately measure the electric impedance of a living body in consideration of a blood flow rate. CONSTITUTION: A measuring signal generator 72 forms a measuring signal (current) Is changing in frequency within a range of 1-1MHz at every cycle (t) of a clock CL to send the same to the electrode He attached to the hand. When the measuring signal Is is supplied to a living body, the voltages Vp, Vc detected by a differential amplifier 81 and an I/V converter 91 are stored in sampling memories 84, 94 through the electrodes Hp, Lp, Lc attached to the hand or a leg. Further, a comparator 103 detects the peak value of the pulse waves of a human body detected by a pulse wave sensor P to supply a trigger TR to a CPU 3. Whereupon, the CPU 3 performs the sampling continued from the start of measurement only for a time Ts to stop and reads the voltages Vp, Vc stored in the memories 84,94 during the period going back by a predetermined time Ta from the start of measurement to calculate the electric impedance of a subject to display the calculated result on a display part 4.



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